

STATE OF ILLINOIS
ILLINOIS COMMERCE COMMISSION

Petition for permission to make a major change in crossing protection, or to install new protection under 92 Illinois Administrative Code 1535.400 (d).

Date: December 2, 2015

To the Illinois Commerce Commission:

The petitioner Norfolk Southern Railway Company shows

- (1) That it is a railroad company operating a line of railroad in the State of Illinois.
- (2) That petitioner proposes and hereby makes application for authority to make a major change in crossing protection, or to install new protection, under 92 Illinois Administrative Code 1535.400 (d) adopted by this Commission.
- (3) That the location of the crossing, the nature of protection now established and proposed to be established, and other pertinent facts in connection therewith, are set forth in the statement attached to and forming part of this petition.
- (4) That petitioner's reasons and purpose, with reference to its said proposal are

Installation of Grade Crossing Warning Devices as requested by the Illinois DOT at:
University/Lincoln Streets in Urbana, Illinois, DOT: 543243C, MP: UM-30.87. Case: T15-0157
File No.: CX0114312 Project No.: 04.0659

- (5) That the facts set forth in this petition and in the statement and plans or plats attached thereto, are, all of them, true and correct to the best of petitioner's knowledge and belief.

WHEREFORE, the petitioner prays that the Commission will, if deemed desirable by the Commission, set the aforesaid matter for hearing, and that the Commission enter an order or adopt a resolution consenting to and granting authority for the making of the said proposed changes in or additions to crossing protection.

Norfolk Southern Railway Company
 By 
S.J. Klinger, Administrator
Grade Crossing Program
(404) 529-1234

Thomas W. Ambler
 (Attorney for Petitioner)

Norfolk Southern Corporation
Three Commercial Place
Norfolk, VA 23510-2191
 (Attorney's Address)

Statement, attached to and part of an application for permission to make a major change in crossing protection or to install new protection, under 92 Illinois Administrative Code 1535.400(d).

1. Name of Railroad Company Norfolk Southern Railway Company
2. Crossing Number 543243C
3. Village or City Urbana
4. Name of Street or Highway University/Lincoln Streets
5. Public Agency Maintaining Highway State
6. Protection now established: (Give full description. Indicate the hours of any manual protection.)
Flashing Light Signals with gates
7. Protection desired: (Give details)
Install grade crossing warning devices to include LED flashing lights with gates and bell controlled by CWT detection equipment & interconnected with Traffic Signals.
8. Number of main tracks One Other tracks N/A
9. Number of passenger movements:
6 a.m. to 6 p.m. None 6 p.m. to 6 a.m. None
10. Number of freight train movements:
6 a.m. to 6 p.m. One 6 p.m. to 6 a.m. One
11. Approximate number of switch movements:
6 a.m. to 6 p.m. Two 6 p.m. to 6 a.m. None
12. Maximum speed of trains at crossing on each track in each direction:
Track 1 N/E Bound 10 mph S/W Bound 10 mph
Track 2 N/E Bound N/A mph S/W Bound N/A mph
Track 3 N/E Bound N/A mph S/W Bound N/A mph
13. Passenger platforms served by tracks within the limits of track circuits, if any None

14. Where automatic signals or gates are proposed, approximate number of train or engine movements daily which would cause false indications or operation:

None

15. Nature and approximate amount of street or highway traffic over crossing:

21,500 AADT

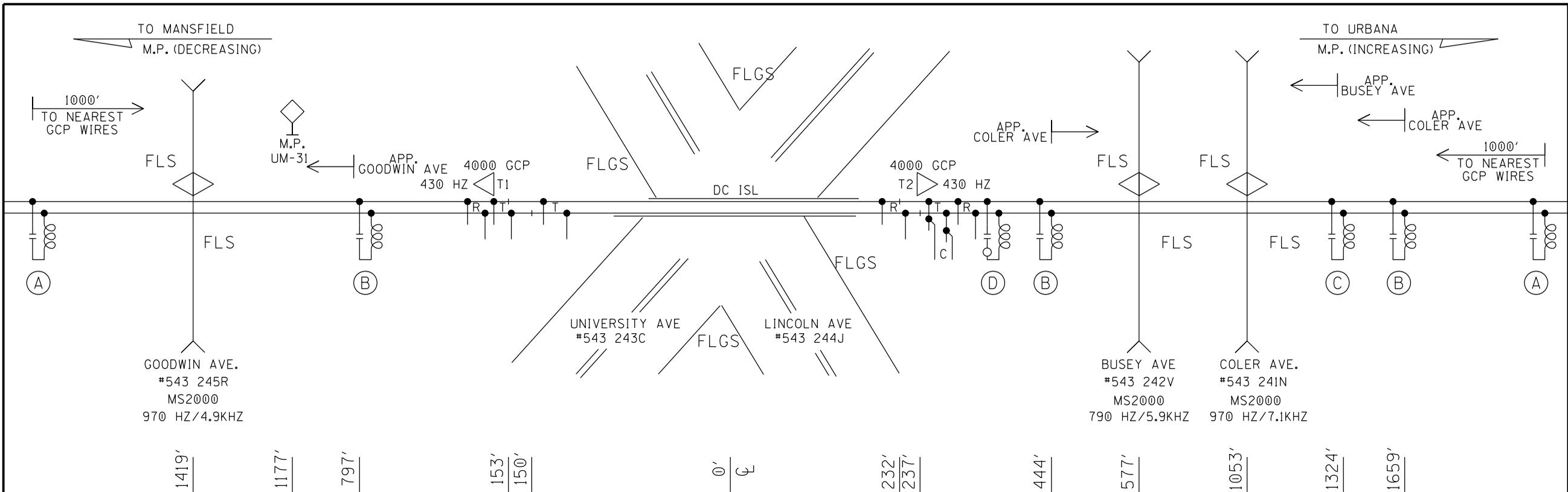
16. In addition to the information listed hereinbefore in Form 3, attach a track plan or plat of the proposed crossing. This plan should show:

- (a) Width and surface of highway.
- (b) Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
- (c) Location of tracks, switches and other railroad facilities such as block signals, etc. within limits of track circuits, present and/or proposed.
- (d) Where automatic protection is proposed, show proposed location of signals (sidelights, cantilevers, etc., if any).
- (e) Show the length of each operation track section within the control limits of the crossing protection and its function.

ADDITIONAL INFORMATION

Drawings attached for question no. 16

3-Wire interconnection with Traffic Signal and with 35 seconds warning time.



Ⓐ - MF-NBS 62775-3497 (430HZ)

Ⓓ - MF-NBS 62775-3497 (790HZ)
W/8V617 400' D.L.

Ⓑ - MF-NBS 62775-3497 (970HZ)

Ⓒ - NBS 62775-(790HZ)

PROFILE

DESIGNED BY:	NS NORFOLK SOUTHERN	
TAH 10-15-14	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.: UM-030.87
DRAWN BY:	URBANA, IL FLGS AT LINCOLN AVE/UNIVERSITY AVE	
RSD 10-15-14	BLOOMINGTON	FILE No. R-
CHECKED BY:	SHEET 2 of 30	
RRD 10-15-14	CADD or DWG. No. F TCR03090.02	
IN SERVICE:	- -	

REVISION																				
INITIALS																				

PROPERTY
NORFOLK SOUTHERN RAILWAY CO.

Int.6 Set by = Not Used
 Int.7 Sets = Not Used
 Int.7 Set by = Not Used
 Int.8 Sets = Not Used
 Int.8 Set by = Not Used

ADVANCED: internal I/O 3
 Int.9 Sets = Not Used
 Int.9 Set by = Not Used
 Int.10 Sets = Not Used
 Int.10 Set by = Not Used
 Int.11 Sets = Not Used
 Int.11 Set by = Not Used
 Int.12 Sets = Not Used
 Int.12 Set by = Not Used

ADVANCED: internal I/O 4
 Int.13 Sets = Not Used
 Int.13 Set by = Not Used
 Int.14 Sets = Not Used
 Int.14 Set by = Not Used
 Int.15 Sets = Not Used
 Int.15 Set by = Not Used
 Int.16 Sets = Not Used
 Int.16 Set by = Not Used

ADVANCED: site options
 Daylight Savings = On
 Units = Standard
 Maint Call Rpt IP Used = No
 Emergency Activate IP = No
 EZ/EX Logging = Change
 EZ/EX Point Change = 3

SSCC
 Gates Used = Yes
 SSCC1+2 GPs Coupled = Yes
 Min Activation = 0 sec
 Rmt Activation Cancel = 2 min
 Bell On Gate Rising = No
 Mute Bell On Gate Down = No
 SSCCIV Controller Used = No

SSCC: 1
 SSCC-1 Activation = AND 1 XR
 SSCC-1 Gate Delay = 6 sec
 SSCC-1 Number of GPs = 1
 SSCC-1 Number of GDs = 2
 SSCC 1: Flash Rate = 40
 SSCC 1: Low Battery Detection = No
 SSCC 1: Flash Sync = master
 SSCC 1: Invert Gate Output = No
 SSCC 1: Lamp Neutral Test = Off
 Aux-1 Xng Ctrl Used = No

SSCC: 2
 SSCC-2 Activation = AND 1 XR
 SSCC-2 Gate Delay = 6 sec
 SSCC-2 Number of GPs = 0
 SSCC-2 Number of GDs = 2
 SSCC 2: Flash Rate = 40
 SSCC 2: Low Battery Detection = No
 SSCC 2: Flash Sync = slave
 SSCC 2: Invert Gate Output = No
 SSCC 2: Lamp Neutral Test = Off
 Aux-2 Xng Ctrl Used = No

OUTPUT: assignment page 1
 OUT 1.1 = Sim Preempt
 OUT 1.2 = T1 Dax A
 OUT 2.1 = T2 Dax A
 OUT 2.2 = Not Used

INPUT: assignment page 1
 IN 1.1 = AND 1 XR Enable
 IN 1.2 = Isl1 Enable
 IN 2.1 = AND 1 XR Enable
 IN 2.2 = Preempt Health

IO: assignment SSCC
 OUT GC 1 = Gate Output 1
 OUT GC 2 = Gate Output 2
 IN 7.1 = Not Used
 IN 7.2 = GD 1.2
 IN 7.3 = AND 1 XR Enable
 IN 7.4 = GD 1.1
 IN 7.5 = GP 1.1
 IN 8.1 = Out Of Service IP 1
 IN 8.2 = GD 2.2
 IN 8.3 = Not Used
 IN 8.4 = GD 2.1
 IN 8.5 = Not Used

SEAR
 SEAR Subnode = 3
 DI 1 = Not Used
 DI 2 = Not Used
 Rly 1 = General 1
 Rly 2 = Not Used

SEAR: inputs
 SP 2.1 = POK 1
 SP 3.1 = Not Used
 SP 4.1 = Not Used
 SP 5.1 = Not Used
 SP 6.1 = Not Used

SEAR: slot 1-4 inputs
 IN 3.1 = Not Used
 IN 3.2 = Not Used
 IN 4.1 = Not Used
 IN 4.2 = Not Used

SEAR: inputs slot 5
 IN 5.1 = Not Used
 IN 5.2 = Not Used

SEAR: inputs slot 6
 IN 6.1 = Not Used
 IN 6.2 = Not Used

SEAR: slot 7-8 inputs
 IN 7.1 = Not Used
 IN 8.3 = Not Used
 IN 8.5 = Not Used

SITE: programming
 Radio Subnode = 1
 Field Password = Off
 Low Battery Enabled = Off

Configuration Package File

Filename: FTCCR03090.pac

4000 GCP PROGRAMMING SETUP

DESIGNED BY:	NS NORFOLK SOUTHERN	
TAH 10-15-14	OFFICE OF ASS'T. VICE PRESIDENT COMM. & SIGNAL, ATLANTA, GA.	M.P.: UM-030.87
DRAWN BY:	URBANA, IL	
RSD 10-15-14	FLGS AT LINCOLN AVE/UNIVERSITY AVE	
CHECKED BY:	BLOOMINGTON	FILE No. R-
RRD 10-15-14	CADD or DWG. No. FTCCR03090.09	SHEET 9 of 30
IN SERVICE:	- -	

REVISION INITIALS

PROPERTY
 NORFOLK SOUTHERN RAILWAY CO.

